

What are motion and speed?

Lesson Review

Explain how the words in each pair are related.

1. distance, time _____
2. speedometer, speed _____
3. 400 kilometers, 8 hours _____
4. total distance, total time _____
5. position, change _____

Skill Challenge

Skills: *calculating, analyzing*

Complete the following table. The second column shows how the distance measured on a car's odometer changes over a 10-minute period. Calculate the total distance traveled after 1 minute, 2 minutes, and so on. The first three have been done for you.

Time (min)	Odometer (km)	Total Distance (km)
0	57450.9	0.0
1	57451.2	0.3
2	57451.9	1.0
3	57452.1	
4	57453.1	
5	57453.3	
6	57454.2	
7	57455.0	
8	57455.9	
9	57456.4	
10	57457.0	

1. What was the average speed during this time period in kilometers per minute? _____
2. What was the average speed during this time period in kilometers per hour? _____
3. What was the average speed during the first 5 minutes in kilometers per minute? _____
4. What was the average speed during the first 5 minutes in kilometers per hour? _____